

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6977	((118/715,724) or (156/345.33,345.34)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:47
S2	7069	((118/715,724) or (156/345.33,345.34,345.37)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/15 20:34
S3	438	S2 and ((showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate)) same heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 19:57
S4	414	S3 and (@ad<="20030717" or @rlad<="20030717")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:08
S5	0	S4 not (substrate or wafer or susceptor or holder or chuck or support near3 heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/15 20:50
S6	62	S4 not ((substrate or wafer or susceptor or holder or chuck or support) near3 heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/15 21:33
S7	352	S4 not S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/15 21:35
S8	805	S2 and (showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/15 22:20

## EAST Search History

S9	391	S8 not S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/15 22:00
S10	16249	(showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/15 22:21
S11	341	S10 and boat	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/18 00:20
S12	248	S11 and (substrate or wafer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/15 22:22
S13	203	S12 not S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/15 22:22
S14	10	(("6446572") or ("3805736") or ("3603284")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:49
S15	3	(("6446572") or ("3805736") or ("3603284")).PN.	USPAT	OR	OFF	2005/06/17 16:49
S16	23	(lund-j\$.xa.. and (118/726.ccls.))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 19:30

## EAST Search History

S17	39	("2995533"   "3357853"   "3386855"   "3437515"   "3487035"   "3561940"   "3645778"   "3658304"   "3712829"   "3801361"   "3876410"   "3989004"   "3997693"   "4039310"   "4130407"   "4135014"   "4144362"   "4150964"   "4168345"   "4242412"   "4390589"   "4431692"   "4517242"   "4517243"   "4592657"   "4615916"   "4668268"   "4719126"   "4719127"   "4812332"   "4979643"   "5284684").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/06/17 19:12
S18	8	(lund-j\$.xa. and (118/723ve.ccls.))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 19:29
S19	488	(118/723ve).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 19:17
S20	331	(118/723ve).CCLS.	USPAT; USOCR	OR	OFF	2005/11/22 22:32
S21	219	(lund-j\$.xa.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 19:31
S22	38	("0898346"   "2378476"   "3294669"   "3369989"   "3604970"   "3625848"   "3678889"   "3691053"   "3709809"   "3736175"   "3783231"   "3793179"   "4094764"   "4197175"   "4222838"   "4333962"   "4361114"   "4410407"   "4448799"   "4466872"   "4511593"   "4511594"   "4556471"   "4622452"   "4681773"   "4724058"   "4801839"   "4828872"   "4856457"   "4959242"   "5100526").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/11/22 22:08
S23	17	(lund-j\$.xp. and (118/723ve.ccls.))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 19:30

## EAST Search History

S24	19	(lund-j\$.xp. and (118/726.ccls.))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/18 00:38
S25	372	(lund-j\$.xp.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 19:31
S26	26	("20010014371"   "20030140854"   "4058430"   "4389973"   "4522149"   "4582720"   "4651673"   "4694779"   "4747367"   "4823736"   "4993360"   "5092728"   "5288327"   "5525159"   "5628828"   "5810538"   "5855680"   "5879459"   "5944904"   "6015590"   "6093253"   "6104002"   "6159287"   "6214116"   "6447607"   "6551406").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/06/17 19:33
S27	9	("3472679"   "4505949"   "4890575"   "4945857"   "5356674"   "5560779"   "6112695"   "6213049").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/06/17 19:38
S28	11	("3892882"   "4871580"   "4882465"   "4948485"   "4957062"   "5120568"   "5278384"   "5356674"   "5358596"   "5406046"   "5853815").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/06/17 19:39
S29	7080	((118/715,724) or (156/345.33,345. 34,345.37)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 19:57
S30	210	S29 and ((showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate)) same cool\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 19:58
S31	2	((wafer or substrate) adj boat) same (showerhead or (shower head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 20:24

## EAST Search History

S32	4	("6287635").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 20:22
S33	77	((wafer or substrate) adj boat) and (showerhead or (shower head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 20:24
S34	76	S33 and (@ad<="20030717" or @rlad<="20030717")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 20:25
S35	74	S33 and (@ad<="20020717" or @rlad<="20020717")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 20:25
S36	0	(pass through) same elastic same insulate same (electric wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 21:03
S37	1	((pass through) same elastic same insulate) and (electric wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 21:04
S38	36	((pass through) and elastic and insulate) and (electric wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 21:10
S39	11	(heat\$3 with wire) same terminal same elastic same insulate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 21:14

## EAST Search History

S40	73	((heat\$3 with wire) same terminal) and elastic and insulate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/17 21:14
S41	16273	(showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 23:00
S42	7	S41 same (wafer boat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/18 00:22
S43	91	S41 and (wafer boat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/18 00:23
S44	22	S43 not S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/18 00:23
S45	14	(lund-j\$.xp. and (118/725.ccls.) and boat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/18 00:39
S46	16	(lund-j\$.xp. and (118/666.ccls.) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/06/18 00:39
S47	1	("5895259") PN	USPAT	OR	OFF	2005/06/18 16:21
S48	7305	((118/715,724) or (156/345.33,345.34,345.37)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/22 22:10

## EAST Search History

S49	471	S48 and ((showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate)) same heat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10
S50	877	S48 and (showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10
S51	17085	(showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:59
S52	358	S51 and boat	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10
S53	261	S52 and (substrate or wafer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10
S54	7305	((118/715;724) or (156/345.33,345.34,345.37)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/22 22:10
S55	226	S54 and ((showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate)) same cool\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10
S56	2	((wafer or substrate) adj boat) same (showerhead or (shower head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10

## EAST Search History

S57	82	((wafer or substrate) adj boat) and (showerhead or (shower head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10
S58	17085	(showerhead or (shower head)) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10
S59	7	S58 same (wafer boat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10
S60	97	S58 and (wafer boat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:10
S61	25	(S49 or S50 or S53 or S55 or S56 or S57 or S59 or S60) and (@ad<="20020718" or @rlad<="20020718") and @pd>="20050618"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:16
S62	1	((pass through) same elastic same insulate) and (electric wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:29
S63	39	((pass through) and elastic and insulate) and (electric wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:29
S64	11	(heat\$3 with wire) same terminal same elastic same insulate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:29

## EAST Search History

S65	74	((heat\$3 with wire) same terminal) and elastic and insulate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:29
S66	1	(S62 or S63 or S64 or S65) and (@ad<="20020718" or @riad<="20020718") and @pd>="20050618"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:29
S67	332	(118/723ve).CCLS.	USPAT; USOCR	OR	OFF	2005/11/22 22:34
S68	9	S67 and ((hot cathode) or thermionic of Filament)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:53
S69	83	(118/723HC).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/22 22:35
S70	87	S67 and ((hot cathode) or thermionic or Filament)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:58
S71	74	S70 not (S68 or S69)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 22:54
S72	294244	((hot cathode) or thermionic or Filament)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 23:00
S73	32	S58 same S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/22 23:01

## EAST Search History

S74	2	"6838376".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/11/24 12:47
S75	2	("6499425").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/15 19:00
S76	7550	((118/715,724) or (156/345.33,345.34,345.37)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 17:32
S77	503	S76 and ((showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate)) same heat\$3)	US-PGPUB, USPAT, USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S78	943	S76 and (showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S79	17924	(showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S80	384	S79 and boat	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S81	278	S80 and (substrate or wafer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32

## EAST Search History

S82	7550	((118/715,724) or (156/345.33,345.34,345.37)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 17:32
S83	240	S82 and ((showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4 adj plate)) same cool\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S84	4	((wafer or substrate) adj boat) same (showerhead or (shower head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S85	90	((wafer or substrate) adj boat) and (showerhead or (shower head))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S86	17924	(showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4 adj plate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S87	9	S86 same (wafer boat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S88	105	S86 and (wafer boat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S89	1	((pass-through) same elastic same insulate) and (electric wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32

## EAST Search History

S90	39	((pass through) and elastic and insulate) and (electric wire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S91	11	(heat\$3 with wire) same terminal same elastic same insulate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S92	78	((heat\$3 with wire) same terminal) and elastic and insulate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S93	1	(S89 or S90 or S91 or S92) and (@ad<="20020718" or @rlad<="20020718") and @pd>="20050618"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S94	336	(118/723ve).CCLS.	USPAT; USOCR	OR	OFF	2006/05/16 17:32
S95	9	S94 and ((hot cathode) or thermionic of Filament)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S96	88	S94 and ((hot cathode) or thermionic or Filament)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S97	300550	((hot cathode) or thermionic or Filament)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32
S98	36	S86 same S97	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:32

## EAST Search History

S99	21	(S77 or S78 or S81 or S83 or S84 or S85 or S87 or S88 or S93 or S95 or S96 or S98) and (@ad<="20020718" or @rlad<="20020718") and @pd>="20051122"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 17:44
S10 0	76	((heat\$3 or preheat\$3) same prevent same condens\$5) and (cool\$3 same (showerhead or (shower head) or (gas adj (dispens\$4 or diffus\$4 or distribut\$4 or dispers\$4) adj plate))) and (@ad<="20020718" or @rlad<="20020718")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/05/16 20:00
S10 1	2	("6506691").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 20:03
S10 2	4	(("6321680" or ("6167837") or ("6352593") or ("6287635")) .PN.	USPAT	OR	OFF	2006/05/16 20:04